

FORM PTO-1390 (Modified)  
(REV. 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

885A.0004.U1(US)

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

**10/500403**

INTERNATIONAL APPLICATION NO.

**PCT/JP01/11650**

INTERNATIONAL FILING DATE

**28 December 2001**

PRIORITY DATE CLAIMED

**N/A**

TITLE OF INVENTION

**ROUTING METHOD FOR MOBILE AD-HOC NETWORK**

APPLICANT(S) FOR DO/EO/US

**T.V.L.N. SIVAKUMAR, Hongyuan CHEN, Leping HUANG, Tsuyoshi KASHIMA, Yoshiya HIRASE and Wei CUI**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

**Items 13 to 20 below concern document(s) or information included:**

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **EV 415954954 US**
23. ☐ Other items or information:

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.53) <b>107500403</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP01/11650</b>		ATTORNEY'S DOCKET NUMBER <b>885A.0004.U1(US)</b>	
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24. The following fees are submitted:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :	CALCULATIONS PTO USE ONLY																																																																		
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO . . . . .	<b>\$1080.00</b>																																																																		
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO . . . . .	<b>\$920.00</b>																																																																		
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO . . . . .	<b>\$770.00</b>																																																																		
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) . . . . .	<b>\$730.00</b>																																																																		
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) . . . . .	<b>\$100.00</b>																																																																		
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Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).	<b>\$0.00</b>																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> <th style="width: 20%;"></th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>3 - 20 =</td> <td>0</td> <td>x \$18.00</td> <td style="text-align: right;"><b>\$0.00</b></td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> <td>x \$86.00</td> <td style="text-align: right;"><b>\$0.00</b></td> </tr> <tr> <td colspan="4">Multiple Dependent Claims (check if applicable). <input type="checkbox"/></td> <td style="text-align: right;"><b>\$0.00</b></td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td style="text-align: right;"><b>\$920.00</b></td> </tr> <tr> <td colspan="4"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</td> <td style="text-align: right;"><b>\$0.00</b></td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>SUBTOTAL =</b></td> <td style="text-align: right;"><b>\$920.00</b></td> </tr> <tr> <td colspan="4">Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).</td> <td style="text-align: right;"><b>\$0.00</b></td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>TOTAL NATIONAL FEE =</b></td> <td style="text-align: right;"><b>\$920.00</b></td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/></td> <td style="text-align: right;"><b>\$0.00</b></td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>TOTAL FEES ENCLOSED =</b></td> <td style="text-align: right;"><b>\$920.00</b></td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">Amount to be: refunded \$</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">charged \$</td> </tr> </tbody> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		Total claims	3 - 20 =	0	x \$18.00	<b>\$0.00</b>	Independent claims	1 - 3 =	0	x \$86.00	<b>\$0.00</b>	Multiple Dependent Claims (check if applicable). <input type="checkbox"/>				<b>\$0.00</b>	<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$920.00</b>	<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<b>\$0.00</b>	<b>SUBTOTAL =</b>				<b>\$920.00</b>	Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				<b>\$0.00</b>	<b>TOTAL NATIONAL FEE =</b>				<b>\$920.00</b>	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/>				<b>\$0.00</b>	<b>TOTAL FEES ENCLOSED =</b>				<b>\$920.00</b>					Amount to be: refunded \$					charged \$		
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a. ☒ A check in the amount of **\$920.00** to cover the above fees is enclosed.

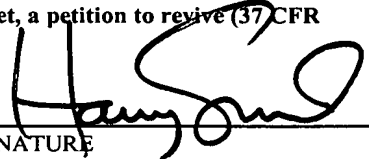
b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.

c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **50-1924**

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No. 29683  <b>HARRINGTON &amp; SMITH, LLP</b> 4 Research Drive Shelton, CT 06484-6212 (203) 925-9400	<div style="text-align: center;">             SIGNATURE         </div> <div style="text-align: center;"> <b>Harry F. Smith</b>            NAME         </div> <div style="text-align: center;"> <b>32,493</b>            REGISTRATION NUMBER         </div> <div style="text-align: center;"> <b>June 28, 2004</b>            DATE         </div>
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10/500403

DT04 Rec'd PCT/PTO 28 JUN 2004

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of:

Applicant: Sivakumar et al.

Serial No.: 10/

Filed: Herewith

Title: Routing Method for Mobile Ad-Hoc Network

Attorney Docket No.: 885A.0004.U1(US)

Express Mail Certificate

I hereby certify that the following correspondence:

New National Stage Application Transmittal letter (including copies of International Application, English translation of International Application and International Search Report);

Preliminary Amendment;

Information Disclosure Statement, PTO 1449, references;

Check in the amount of \$920.00

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10, Express Mail No. **EV 415 954 954 US**, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Mail Stop PCT on June 28, 2004.

  
Cathy Raetz